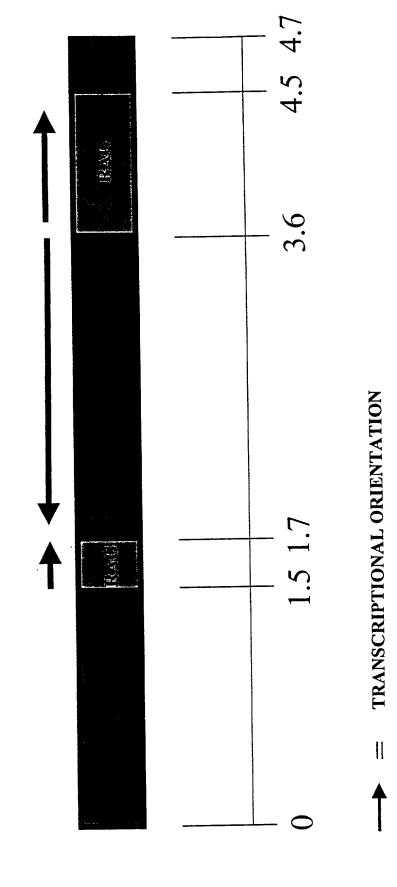
## Figure 1. BOVINE RAG2 SEQUENCE 773 ATGTCACT ACAGATGGTA ACAGTCGGAA 801 ATAGCATAGC CTTAATTCAA CCAGGCTTCT CGTTAATGAA TTTTGATGGG 851 CAAGTTTTCT TCTTTGGCCA AAAAGGCTGG CCCAAGAGGT > CTTGCCCCAC 901 TGGAGTTTTC CATTTTGAGG TAAAGCATAA TCATCTTAAA CTGAAGCCTG 951 CAGTTTTCTC TAAGGATTCC TGCTACCTTC CTCCTCTTCG ATACCGGGC > 1001 CACTTGCACA TTCAGCGGCC AACTTGGAGT CTGAAAAGCA TCAGTACATC 1051 ATCCATGGAG GAAAAACACC AAACAATGAG CTTTCAGATA **AGATTTATGT** > 1101 GATGTCTGTT GTTTCCAAGA ACAACAAAA AGTTACCTTT CGCTGCACAG > 1151 AGAAGGACTT GGTAGGAGAC ATTCCTGAAG GCAGATATGG TCATTCCATT > 1201 GATGTGGTGT ATAGTCGGGG GAAAAGTATG GGTGTTCTCT **TTGGAGGACG** > 1251 GTCATACATA CCTTCTGCCC AAAGAACCAC AGAGAAATGG **AACAGTGTAG** 1301 CTGACTGCCT GCCCCATGTC TTCTTGGTGG ATTTTGAATT TGGGTGCTCT > 1351 ACGTCATACA TTCTTCCAGA ACTTCAAGAT GGACTATCTT TTCATGTCTC > 1401 CATTGCCAGA AATGATACCG TTTATATTTT AGGAGGCCAT TCACTTGCCA > 1451 ATAACATCCG CCCTGCCAAT CTGTACAGAA TAAGGGTTGA TCTCCCCCTG

> 1501 GGTAGCCCAG CTGTGGAGTG CACAGTCTTG CCAGGAGGAA TCTCTGTCTC '
> 1551 CAGTGCAATC CTGACTCAAA TAAGCAATGA TGAATTTGTT ATTGTTGGTG
> 1601 GCTATCAGCT TGAAAATCAA AAAAGAATGG TCTGTAACAT CATCTCTTTC
> 1651 AAGTATAACA AGATAGACAT TCTTGAGATG GAAACCCCAG ATTGGACCCC >
> 1701 AGATATTAAG CACAGCAAGA TATGGTTTGG AAGCAACATG GGAAATGGAA >
> 1751 CTGTTTTCCT CGGCATACCA GGAGACAATA AACAGGCTGT TTCAGAAGCA >
> 1801 TTTTACTTCT ATACATTGAA ATGTGCTGAA GACGATGTGA ACGAAGATCA >
> 1851 GATAACTTTG ACAAGTAGTC AGACATCAAC AGAAGACCCA GGGGACTCCA
> 1901 CTCCCTTTGA AGACTCAGAA GAATTTTGCT TCAGCGCAGA AGCAAACAGT
> 1951 TTCGATGGTG ATGATGAATT TGACACCTAC AATGAAGATG ATGAGGAAGA
> 2001 TGAGTCTGAG ACAGGCTATT GGATTACATG CTGCCCTACT TGTGATGTGG
> 2051 ATATCAATAC GTGGGTACCA TTTTATTCAA CTGAGCTCAA CAAGCCTGCC
> 2101 ATGATCTATT GCTCTCATGG AGATGGACAT TGGGTCCATG CCCAGTGTAT
> 2151 GGATCTGGCA GAACGCACCA CCTCATCCAT CTATCAGAAG GAAGCAATAA
> 2201 ATATTAYTGT AACGAGCATG TGGAGA <b>TAG</b>

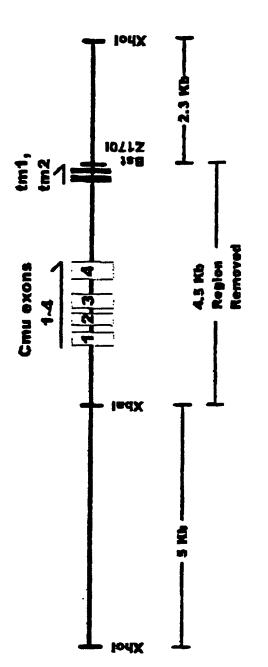
## FIG. 2 - MAP OF BOVINE RAG-2 KNOCKOUT CONSTRUCT



& the interrupting neomycin gene is red. Note that the transcriptional orientation Bovine 5' and 3' flanking (FL) sequences are blue; RAG-2 coding region is green of the NEO gene is opposite to that of the RAG-2 gene. Key:

1、日本書館の開発を持ちないのでは、「大学のできる」であって、

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The 4.5 Kb region containing the exons encoding the Mu constant region and associated fransmembrane domain exons, were deleted and replaced with the toxp-flanked neomycin resistance cassette (Not 1 fragment)

Figure 3